

WHAT IS CLAIMED IS

1. A multi-functional optical disk driving device, used for personal computer (PC), which has functions of a compact-disk (CD) driver, a digital versatile disk (DVD) driver, a frequency modulated (FM) radio, a MP3 music CD player, said device comprises: a multi-functional vision process controller (VPC) with a PC power on status detector, a microprocessor, an optical disk server; a bus switch, connected between standard interfaces of the PC and the optical disk server, and a microprocessor, for control of on/off of the bus switch, characterized in that said vision process controller (VPC) can disconnect the standard interfaces between said PC and said optical disk server by means of controlling the bus switch via said microprocessor when the PC is off, and the microprocessor performs the above functions independent; and said microprocessor controls said bus switch to connect the standard interfaces between said PC and said optical disk server when PC power on state is detected by the PC power on status detector, and the above functions are performed by said PC.
2. The multi-functional optical disk driving device as set forth in claim 1, in which said personal computer (PC) includes any one of Table Top PC, Notebook PC, and Tablet PC.
3. The multi-functional optical disk driving device as set forth in claim 1, in which said standard interfaces are an ATAPI-IDE or serial ATA, and USB 1.1/2.0 and IEEE 1394 standard interfaces the personal computer.

4. The multi-functional optical disk driving device as set forth in claim 1, in which said optical disk server includes any one of CD-ROM, DVD-ROM, DVD-R, DVD-RW, DVD+R, DVD+RW, and DVD-RAM servers.
5. The multi-functional optical disk driving device as set forth in claim 1, in which the functions of mode selection, adjustment control, and status indication are provided on a panel of said optical disk driving device.
6. The multi-functional optical disk driving device as set forth in claim 1, in which said PC power on status detector is used to detect the voltage of a power supply unit in the personal computer or the reset signal (HRST) of host computer received from a bus which is connected between said personal computer and the vision process controller so as to assure the power on status of the personal computer.
7. The multi-functional optical disk driving device as set forth in claim 1, further comprising a connecting device, said connecting device having a POWER connector, a DVD-ROM CD-DA ANALOG AUDIO OUTPUT connector, and a SPDIF (Sony-Philips Digital Interface) connector, wherein said connecting device includes a dominator connector, the dominator connector having a control bus and an output bus, by which the extensibility of the optical disk driving device can be increased.